

Claims:

What is claimed is:

1 1. A method for managing resources in a data processing system, said method comprising:

2 defining at least one type of resource, together with a quantity associated with that type of
3 resource, said quantity being indicative of resource capacity, said type of resource being selected
4 from the group consisting of hardware level resources, operating system level resources and
5 application level resources;

6 determining whether a user has requested use of said at least one resource;

7 determining availability of said requested resource as to type and quantity;

8 dispatching a user job which requests said resource upon the condition that said resource
9 is available in the type and quantity requested.

10 2. The method of claim 1 in which said hardware level resources are selected from the group
11 consisting of CPUs and random access memory.

12 3. The method of claim 1 in which said operating system level resource is virtual memory.

1 4. A method for providing a user with control of a data processing system, said method
2 comprising the steps of:

3 analyzing user supplied command statements which provide access to resources having
4 internal resource models, said resource models including, for each resource, a type and a quantity
5 description, wherein at least one resource model is defined consistently across multiple data
6 processing system levels; and

Sub
#1 } re